

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,262	02/25/2004	Hisanao Maruyama	5764-0002	2410
7590 04/26/2006			EXAMINER	
McCormick, Paulding & Huber, LLP			EDMONDSON, LYNNE RENEE	
CityPlace II				
185 Asylum Street			ART UNIT	PAPER NUMBER
Hartford, CT 06103-3402			1725	
			DATE MAILED: 04/26/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summan	10/786,262	MARUYAMA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Lynne Edmondson	1725				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status	•					
1) Responsive to communication(s) filed on 25 Fe	Responsive to communication(s) filed on 25 February 2004.					
	action is non-final.					
,	,—					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.						
4a) Of the above claim(s) <u>2,6,7,11 and 12</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,3-5 and 8-10</u> is/are rejected.						
7) Claim(s) is/are objected to.						
· _ · · · · · · · · · · · · · · · · · ·	<u> </u>					
,						
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>25 February 2004</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/25/04.	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te atent Application (PTO-152)				

Application/Control Number: 10/786,262 Page 2

Art Unit: 1725

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I, claims 1, 3-5 and 8-10 in the reply filed on 12/19/05 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 3 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Cottone et al. (USPN 5102032).

Cottone teaches a weld joint comprising contact portions including an incline and step joined to a strip wherein weld beads cover at least part of the inclined portion (figures 3 and 7, col 2 line 43 – col 3 line 27, col 6 line 32 – col 7 line 17).

4. Claims 1, 3 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Willis et al. (US 2004/0008807 A1).

Willis teaches a weld joint comprising contact portions including an incline (44) and step (56) joined to a strip (46) wherein weld beads cover at least part of the inclined portion (figure 2 and paragraphs 24-26).

5. Claims 1, 3-5 and 8-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Cercone et al. (US 20030180570 A1).

Cercone teaches a weld joint comprising contact portions including an incline and step joined to a strip wherein weld beads cover at least part of the inclined portion (figures 4, 7, 8 and 13 and paragraphs 31 and 37).

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Koshiishi et al. (JPN 2001-71141A, weld structure), Kittelmann et al. (DE 3610378 A, weld structure), Ziebold et al. (USPN 2752172, weld structure), Remond et al. (US 2005/0205527 A1, weld structure), Peigney et al. (USPN 5428198, weld structure), Kazlauskas (USPN 4408112, weld structure), Lefevre et al. (GB 2114489 A weld structure), Nakamura et al. (USPN 4923100, weld structure with solder layer) and Kumazawa et al. (USPN 4558695, solder sheet).
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynne Edmondson whose telephone number is (571)

Art Unit: 1725

272-1172. The examiner can normally be reached on Monday through Thursday from 6:30 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Lynne Edmondson Primary Examiner Art Unit 1725

LRE